

NED



Mark Parkinson, Governor  
Roderick L. Bremby, Secretary

DEPARTMENT OF HEALTH  
AND ENVIRONMENT

www.kdheks.gov

Division of Environment

RECEIVED

DEC 09 2010

**Permit Application**

**Livestock Waste Management Program**

BUREAU OF WATER

**Instructions: PLEASE PRINT.** Complete and provide all information as requested. Attach all drawings and plans to this application. If you need assistance with completing this form please call (785) 296-6432 or your local KDHE District Office. Mail completed application to:

LIVESTOCK WASTE MANAGEMENT SECTION  
KDHE - BUREAU OF WATER  
1000 SW JACKSON STREET, SUITE 420  
TOPEKA, KS 66612-1367

**Department Use Only**

Facility ID No. \_\_\_\_\_

Certification No. \_\_\_\_\_

Permit No. A-MOBR-S012

Date Permit Application Complete: \_\_\_\_\_

Permit Fee: ☒ Yes ☐ No

RECEIVED

JAN 29 2010

BUREAU OF WATER

**NOTICE:** Failure to provide all required documentation at the time of submission of this permit application will result in the entire permit package being returned to the applicant for completion.

**FACILITY IDENTIFICATION**

1. Name of Applicant: Gordon Knudson Date: 1/23/10

Name of Property owner(s) (if different than Applicant): Same

2. Name of Facility: Gordon Knudson Hog farm

3. Mailing address: 1367 Plumtree RD

City: Everest State: KS Zip: 66424

4. Facility address (if different): 1792 150<sup>th</sup> St

City: Hiawatha State: KS Zip: 66434

5. Business Telephone No.: 785 548 5350 Home Telephone No.: 785-548-5422

Cellular Telephone No.: Same Fax No.: \_\_\_\_\_

E-Mail address: \_\_\_\_\_

RECEIVED

FEB - 3 2010

hereby makes application to the Kansas Department of Health and Environment in conformance with K.S.A. 171d et seq. and K.A.R. 28-18-1 through 17, and/or 28-18a-1 through 33.

RECEIVED

PAID

NORTHEAST DISTRICT OFFICE

NOV 16 2010

K.D.H.E.

NORTHEAST DISTRICT OFFICE

CK NO. 2705 \$ 50.00

DATE 1-25-10

# **FACILITY DESCRIPTION**

## 6. Legal description of property where facility is located:

Facility ID	Quarter(s) <u>NE</u>	Section <u>11</u>	Township <u>64S</u> South	Range <u>17E</u> Circle: E or W	County <u>Br</u>
Facility ID	Quarter(s)	Section	Township South	Range Circle: E or W	County
Facility ID	Quarter(s)	Section	Township South	Range Circle: E or W	County

Directions from nearest city or town 2 miles East of Willis

## 7. The existing, proposed, and/or expanded livestock operation will consist of: (please indicate Existing or Proposed)

☐ Open Lots ☒ Enclosed Bldg. ☐ Both Open/Closed ☐ Truck Wash ☐ Other

## 8. Existing and/or proposed waste control systems: (please indicate Existing or Proposed)

☒ Lagoon ☐ Sedimentation Basin ☐ Concrete Storage Structure

Other (explain) \_\_\_\_\_

## 9. Are there any local comprehensive land use plans or zoning requirements at this site? none

Yes ☐ No ☒

If yes, please explain: \_\_\_\_\_

## 10. Indicate the type and size of equipment available for: 1) land application, and 2) transportation of process waste (in any form: liquid, slurry, or solid), and for each piece of equipment whether it is owned, leased, or contractor provided:

Equipment Description (55 hp tractor, high lift, pto driven pump, manure wagon, honey wagon, center pivot, traveling gun, etc.)	Equipment Purpose (transportation, collection, land application, agitate manure in basin, etc.)	Capacity (gallons per minute, gallons, bushels, acres, cubic yards, etc.)	Owned (O), Leased (L), or Contractor's (C)
pto driven honey wagon	land application	2000 gal.	owned
100 hp tractor			



# ANIMAL UNITS CALCULATION TABLE

Please complete the table below. Be certain to identify all the types of animals that you have at your facility. Each pig, weaned or unweaned, weighing 55 pounds or less must be counted as 0.1 animal units. Similarly, for permitting purposes, dairy facilities must count calves and heifers weighing less than 700 pounds as 0.5 animal units and bulls, and heifers weighing more than 700 pounds as 1.0 animal unit. Lactating and dry dairy cows should be counted as 1.4 animal units, etc.

(A)	(B)	(C)	(D)	(E)
Type of Facility*	Maximum Permitted Capacity (Head)	Proposed Expansion or New (Head)	AU Conversion Factor	Maximum Animal Units (B+C) x D
Swine weighing more than 55 pounds	800	0	0.4	320
Swine weighing 55 pounds or less		0	0.1	
Cattle weighing more than 700 pounds			1.0	
Cattle weighing less than 700 pounds			0.5	
Mature Dairy Cows (Lactating and Dry)			1.4	
Sheep/Lambs/Goats			0.1	
Turkeys			0.018	
Laying Hens/Broilers w/ continuous overflow watering			0.01	
Laying Hens/Broilers w/ liquid manure system			0.033	
Chickens (other than Laying Hens) w/ other than liquid manure system <sup>1</sup>			0.008	
Laying Hens w/ other than liquid manure system <sup>1</sup>			0.0122	
Horses			2.0	
Ducks w/ liquid manure system			0.2	
Ducks w/ other than liquid manure system			---	
Other-specify species _____				
Total				

\*Minimum EPA thresholds requiring an NPDES permit are: 700 head of mature dairy cows (lactating or dry), 1,000 head of veal calves, 1,000 head of cattle other than mature dairy cows or veal calves, 2,500 head of swine weighing greater than 55 pounds, 10,000 head of swine weighing 55 pounds or less, 500 horses, 10,000 sheep or lambs, 55,000 turkeys, 30,000 laying hens/broilers w/ liquid manure system, 125,000 chickens other than laying hens w/ other than liquid manure system, and 82,000 laying hens w/ other than liquid manure system.

<sup>1</sup> Use a 0.033 AU conversion factor if the manure, from chicken facilities that only use dry litter systems, is exposed to precipitation during collection, when stored in stockpiles, or land applied without incorporation into the soil within 24 hours.

RECEIVED

FEB - 3 2010

K.D.H.E.

NORTHEAST DISTRICT OFFICE

## SEPARATION DISTANCE WAIVERS AND PUBLIC NOTICE REQUIREMENTS

**Habitable Structure Separation Distances:** On Appendix 2, list all owners of habitable structures, and the headquarters of all city, county, state, or federal parks, and wildlife refuges within the applicable separation distance for the maximum animal unit capacity of the facility.

	Animal Units (AU)	Habitable structure Separation Distance	Wildlife Refuge Separation Distance (Swine Only)
new facility or expansion	300-999	1,320 feet	
new facility or expansion	1,000-3,724*	4,000 feet	10,000 feet
swine expansion that will meet or exceed	3,725	4,000 feet**	
new swine facility that will meet or exceed	3,725	5,000 feet	16,000 feet

\* no ceiling for non-swine

\*\* if within original designated expansion boundary, otherwise 5,000 feet.

The applicant should request owners of habitable structures within the applicable separation distance to sign a waiver of the separation distance to the proposed facility. Waivers shall be filed by the applicant with the register of deeds office of the county in which the habitable structure is located. Evidence of proper notice such as, signed waiver agreements, or signed certified mail receipts to match the list provided in Appendix 2. These shall be provided before KDHE will notify the public a permit has been drafted. A Confined Animal Feeding Facility/Habitable Structure - Separation Distance Agreement form is available upon request from the department or on-line at <http://www.kdheks.gov/feedlots/#links>.

The applicant of a proposed new construction or new expansion of a **swine** facility is required to give notice to all owners of habitable structures within the applicable separation distance, by certified mail, of the applicant's intention to apply for a water pollution control permit. The notice should include pertinent information regarding the location, size, general methods of waste management, and any other information the applicant deems necessary.

**ATTENTION: FAILURE TO PROVIDE REQUIRED NOTICE OF APPLICATION FOR A WATER POLLUTION CONTROL PERMIT TO OWNERS OF HABITABLE STRUCTURES, WITHIN THE SEPARATION DISTANCE IS GROUNDS FOR AUTOMATIC DENIAL OF THE PERMIT APPLICATION BY THE SECRETARY OF KDHE**

**List of Property Owners Within One Mile of the Facility:** On Appendix 2a the applicant is required to provide KDHE with a list containing the names and mailing addresses for each owner of a habitable structure or any property within 1 mile of a proposed **new construction or new expansion** of a confined feeding facility. In addition, the applicant of a proposed new construction or new expansion of a confined feeding facility is required to provide KDHE with the address of the United States post office or offices serving the immediate area of the facility.

**Public Notice Requirements:** Attach all waiver and public notice documentation listed in Appendix 3 to this application.



## PRODUCER'S CHECK LIST

For this permit application to be considered complete and ready for the department to review, the applicant must provide the following documentation. Please check and assemble in the order listed. Additional guidance on specific components is available upon request through the Department. Please call (785) 296-6432 or go on-line at [www.kdhe.ks.gov/feedlots/](http://www.kdhe.ks.gov/feedlots/) for assistance.

### Appendix

- | Number    | Document   |
|-----------|--|
| _____ 1.  | Facility Site Maps – see page 7 for details – <i>explain maps please - thank's C.H.</i>  |
| _____ 2.  | List of Habitable Structure Owners within applicable separation distance – see pages 4 and 8 for details                           |
| _____ 2a. | List of Habitable Structures/Property Owners within one mile (proposed new construction or new expansion) – see page 9 for details |
| _____ 3.  | Public Notice Documentation – see page 10 for details  |
| _____ 4.  | Depth to Groundwater Information   |
| _____ 5.  | Facility Design Calculations   |
| _____ 6.  | Construction Drawings*   |
| _____ 7.  | Waste Management Plan (Required if the facility is less than the EPA thresholds listed on page 3)                                  |
| _____ 8.  | Nutrient Management Plan (Required if the facility meets or exceeds the EPA thresholds listed on page 3)                           |
| _____ 9.  | <b>Swine Facility Plans</b> (include the following as appropriate):  |
| _____ a.  | Manure Management Plan [Required if 1,000 AU or more]  |
| _____ b.  | Nutrient Utilization Plan [Required if 1,000 AU or more]   |
| _____ c.  | Emergency Response Plan [Required if 1,000 AU or more]   |
| _____ d.  | Odor Control Plan [Required if 1,000 AU or more]   |
| _____ e.  | Dead Swine Handling Plan [Required if 1,000 AU or more]  |
| _____ f.  | Facility Closure Plan [Required if 3,725 AU or more]   |
| _____ g.  | Financial Assurance for Facility Closure [Required if 3,725 AU or more]  |
| _____ h.  | Financial Assurance for Swine Waste-Retention Lagoon or Pond Closure [Required if 3,725 AU or more]                                |
| _____ i.  | Ground Water Monitoring Plan [Required for certain swine facilities (see K.A.R. 28-18a-18).]                                       |

**\*Provide detailed location/site plans indicating the following:**

Major components of the facility including structures - building sizes/locations, property lines, locations and sizes (length, width, height - area/volume capacity) of lagoons, dirt lots, pits, and manure stockpile locations. Plans should include type, size and maximum anticipated number of animals in each building and/or dirt lot. Also, depict the furthest extent of the facility boundaries to include areas which may be used for future expansion.

**ANNUAL PERMIT FEE**

When a permit is required the annual permit fee is based on the facility's maximum number of animal units as listed below and **must be paid before processing** of the permit and annually to maintain the validation of the permit. These fees are non-refundable.

Facility Size in Animal Units (AU)	Annual Permit Fee
999 AU or less	\$25
1,000 to 4,999 AU	\$100
5,000 to 9,999 AU	\$200
10,000 AU or more	\$400
Private Truck Washing Facility (two or fewer owned trucks)	\$25
Private Truck Washing Facility (three or more owned trucks)	\$200
Commercial Truck Washing Facility	\$320

PLEASE MAKE CHECK PAYABLE TO:  
KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

**SIGNATURE/CERTIFICATION**

Swine Facility Consultation Statement: (if applicable)

I, Gordon Knudson, will consult with the KSU county extension agent, or qualified  
(Applicant's Name)

agronomist or individual trained in crop protection, to ensure application of swine wastes at agronomic rates and that records of this information will be available at the swine facility office as prescribed in K.S.A. 65-1,179(b)(3)(E).

Applicants Signature: \_\_\_\_\_

Date: 1/23/10

Permit Application Certification: (required for all species)

This application is to be signed by one of the following: (1) In the case of a corporation, by the principal executive officer of at least the level of Vice President; (2) in the case of a partnership, by a general partner; and (3) in the case of a sole proprietorship, by the proprietor.

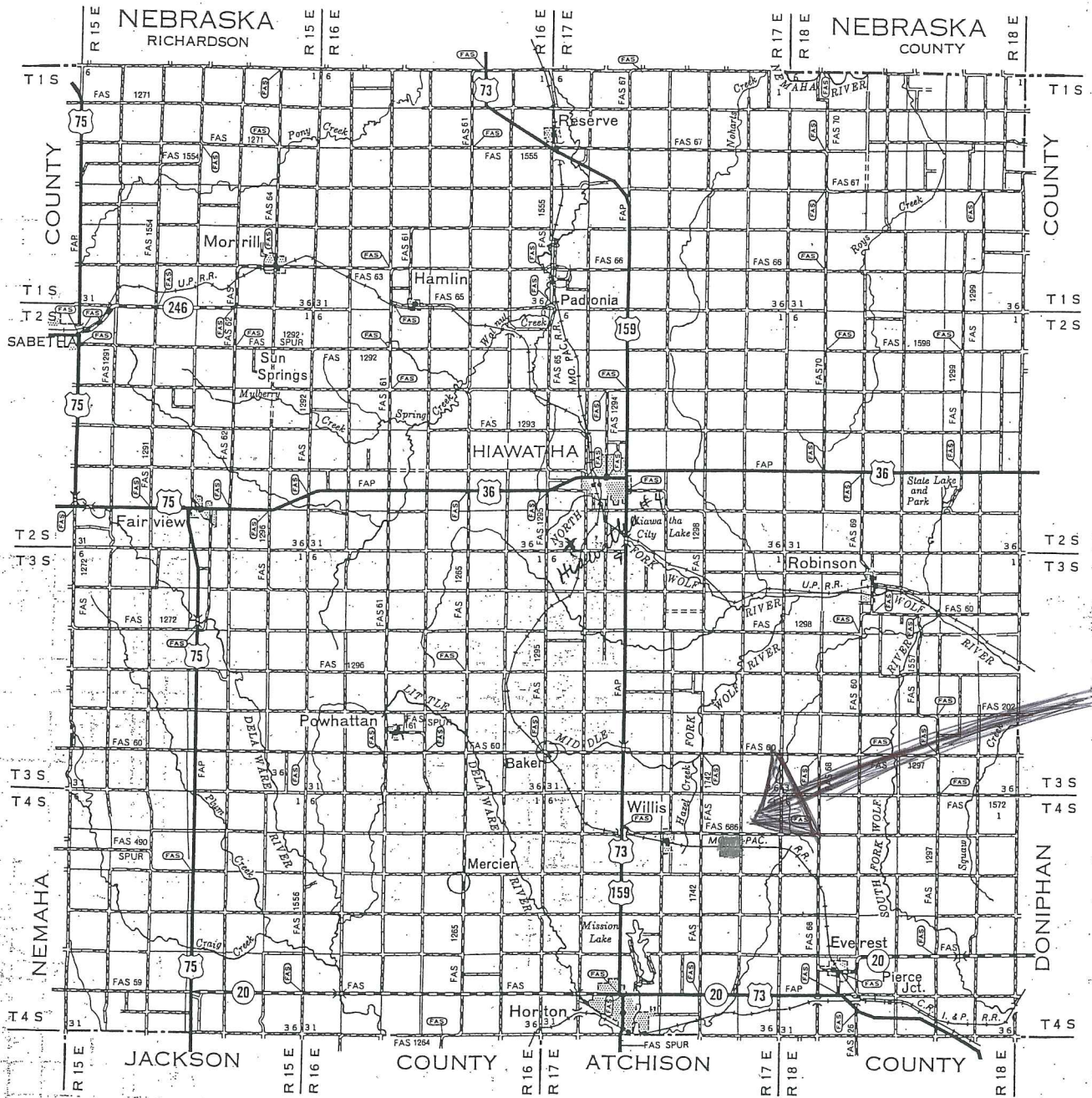
I hereby certify that the information submitted herein is true and correct to the best of my knowledge and belief:

Applicants Name: Gordon Knudson  
(Type or Print Name and Title)

Applicants Signature: \_\_\_\_\_

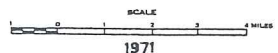
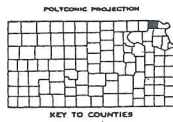
Date: 1/23/10





# BROWN COUNTY KANSAS

PREPARED BY THE  
STATE HIGHWAY COMMISSION OF KANSAS  
DEPARTMENT OF PLANNING AND DEVELOPMENT  
IN COOPERATION WITH THE  
U. S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION



1971



mb  
Gordon Knudson farm  
Brown County

RECEIVED

JAN 29 2010

DEPT OF WATER

②

①

Rural water

